U.S. AIR FORCE

Global Hawk Communications Requirements Meeting

ETP

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28 Oct 03

ETP

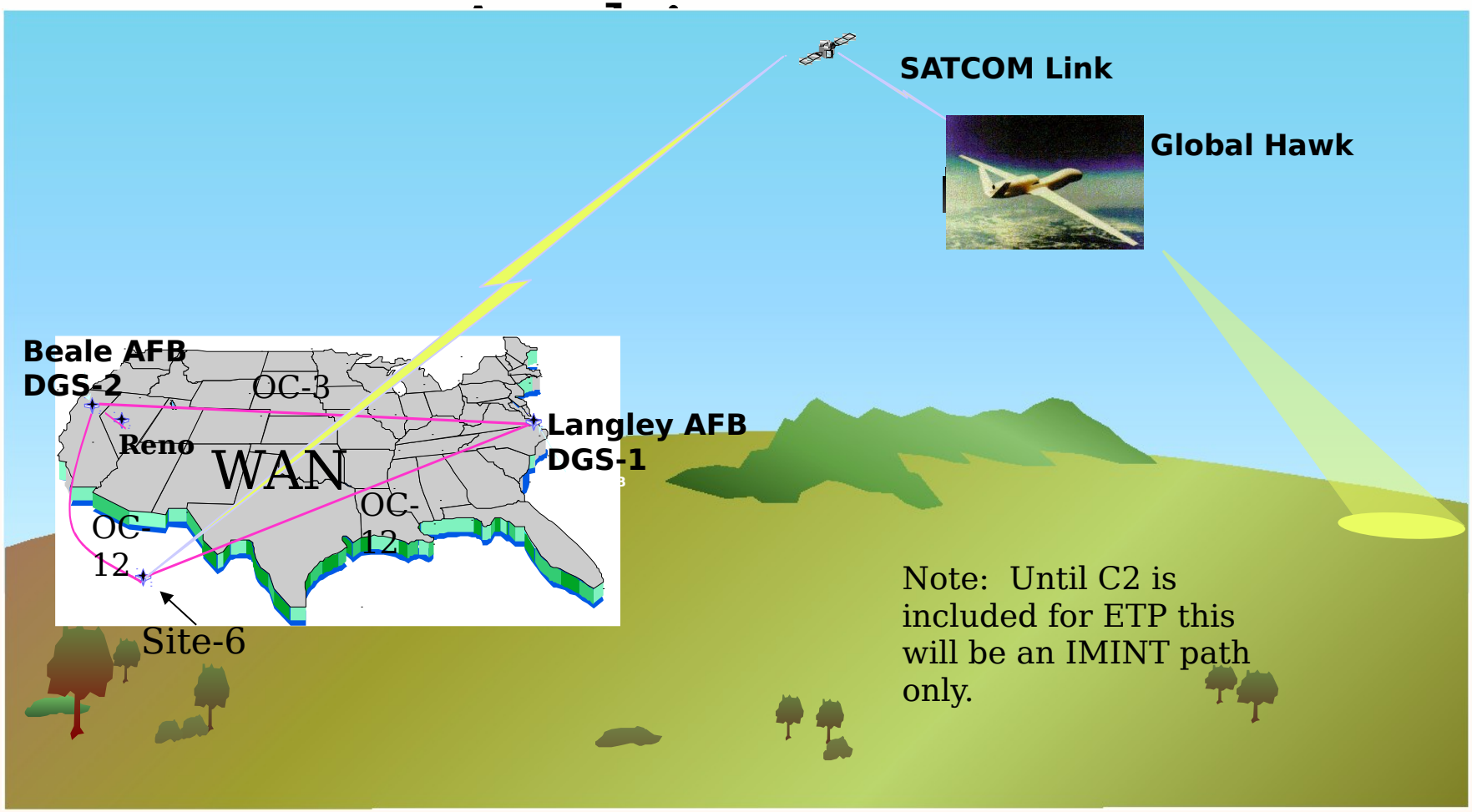
The Extended Tether Program (ETP) provides airborne and ground support for Beyond Line of Sight (BLOS) mission requirements.

- History
- System Descriptions
- Ground Processing
- Coverage
- GH Integration

HISTORY

- Started as SAF/AQIJ Program current ETP PM is AF/XOIRY
- First Tested in1992
- Limited Use for Exercises and Deployments (Averaged 200 hrs per year)
- Limited Spares and Operators
- 11 Sept 01

ETP


SATCOM Link
Global Hawk
Beale AFB
DGS-2
OC-3
Reno
WAN
Langley AFB
DGS-1
OC-12
OC-12
Site-6
Note: Until C2 is included for ETP this will be an IMINT path only.

ETP Schedule

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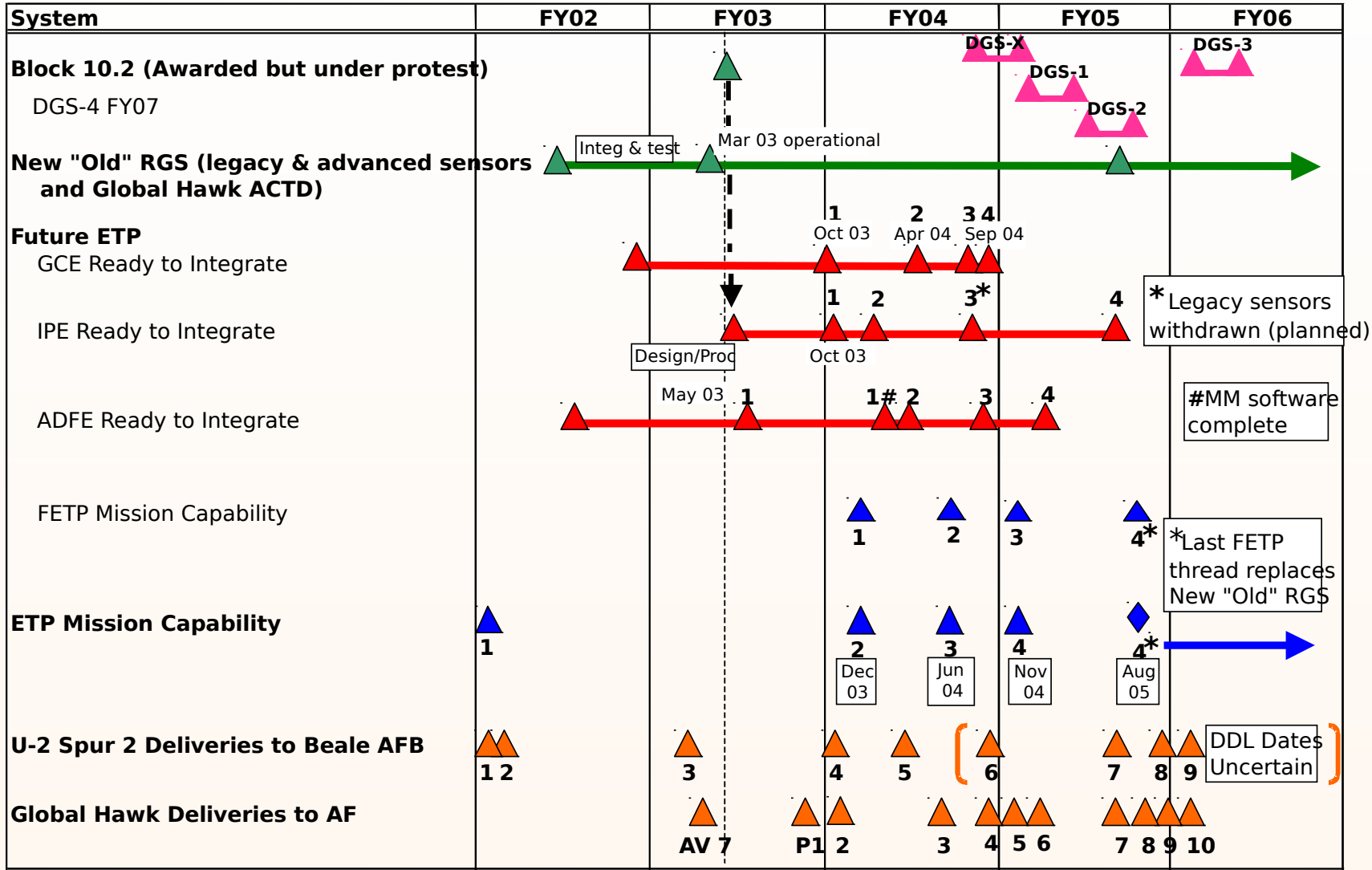

ETP GH INTEGRATION

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- Command and Control Data
  - Health and Welfare Status
  - Pilot Intent
- Overlay of U-2 and GH Aircraft
- Data Dissemination
  - DCGS
  - Multi-Int

Other Issues

- Emergency Actions with RGS
- CIP (Processing and Dissemination to WAN)
- MCE Process with ETP Feeds (Permanent Mods to include the ingest routers)
- Block 10.2

Comments

- Mission capability for four ETP threads late 4Q 04/1Q 05
- Current Plan is for Six Threads to Support:
  - 2 U-2 24 hr Orbits
  - 4 GH 24 hr Orbits
- Transformational Comms

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BACK-UPS

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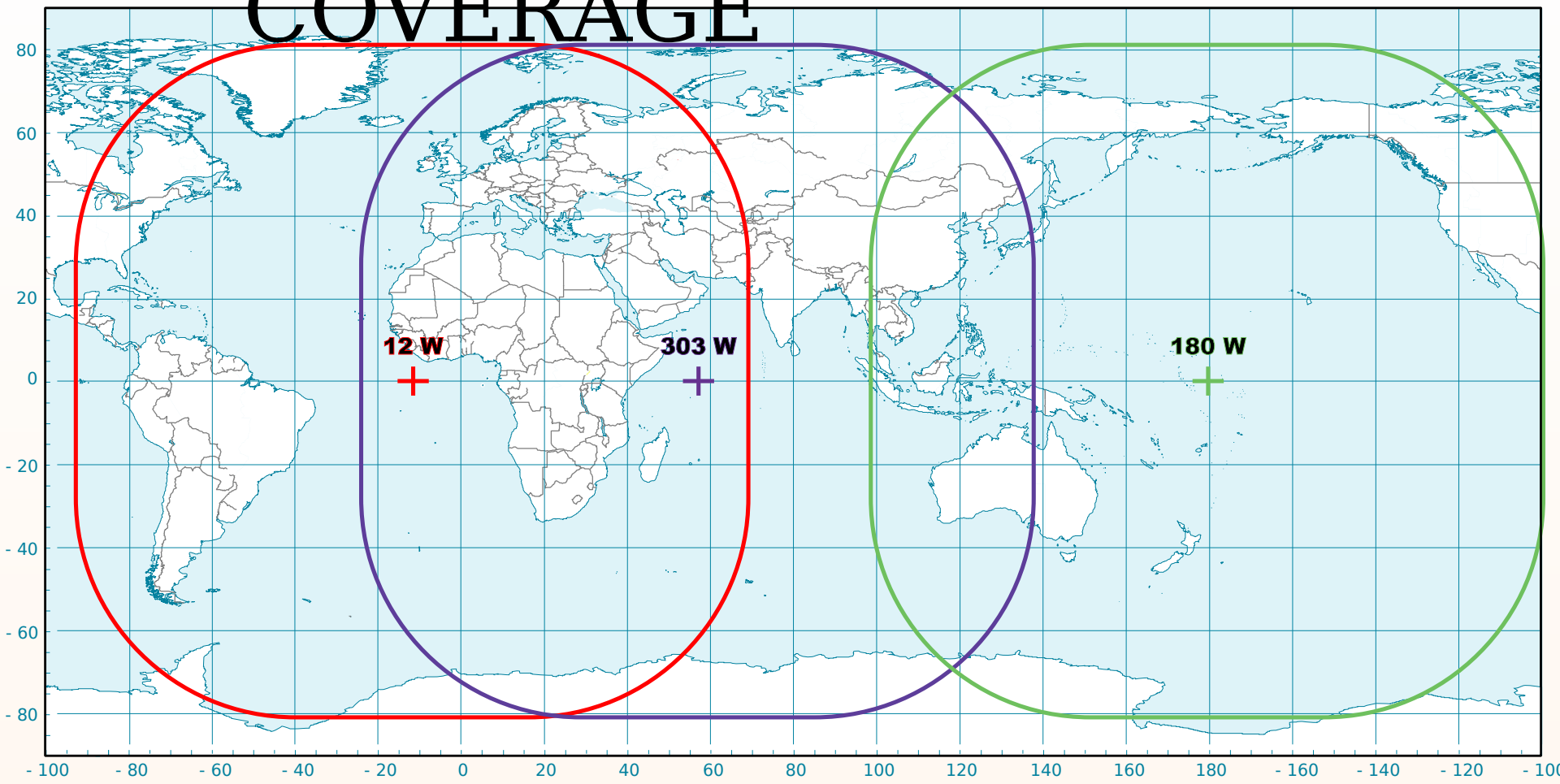
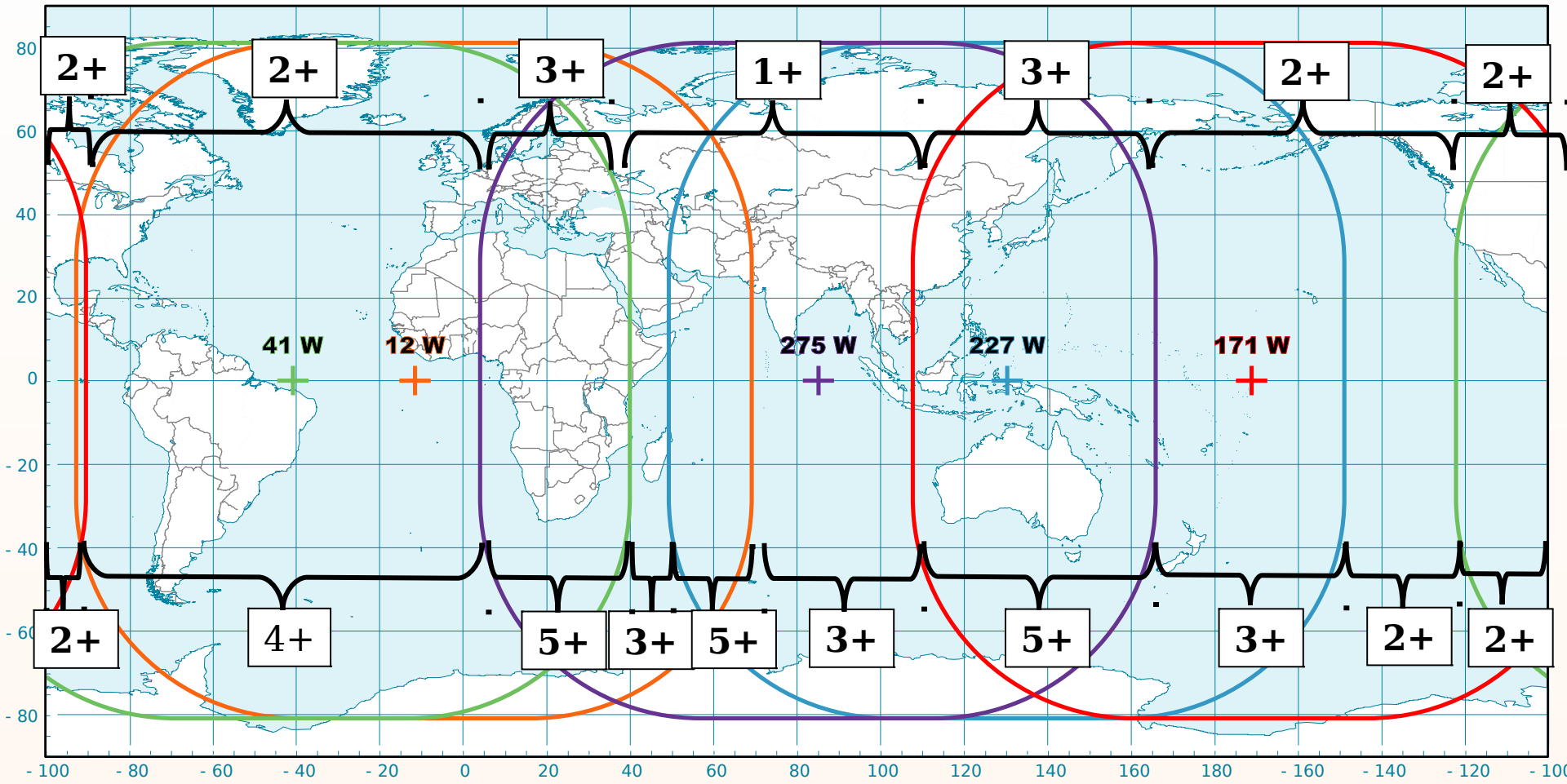
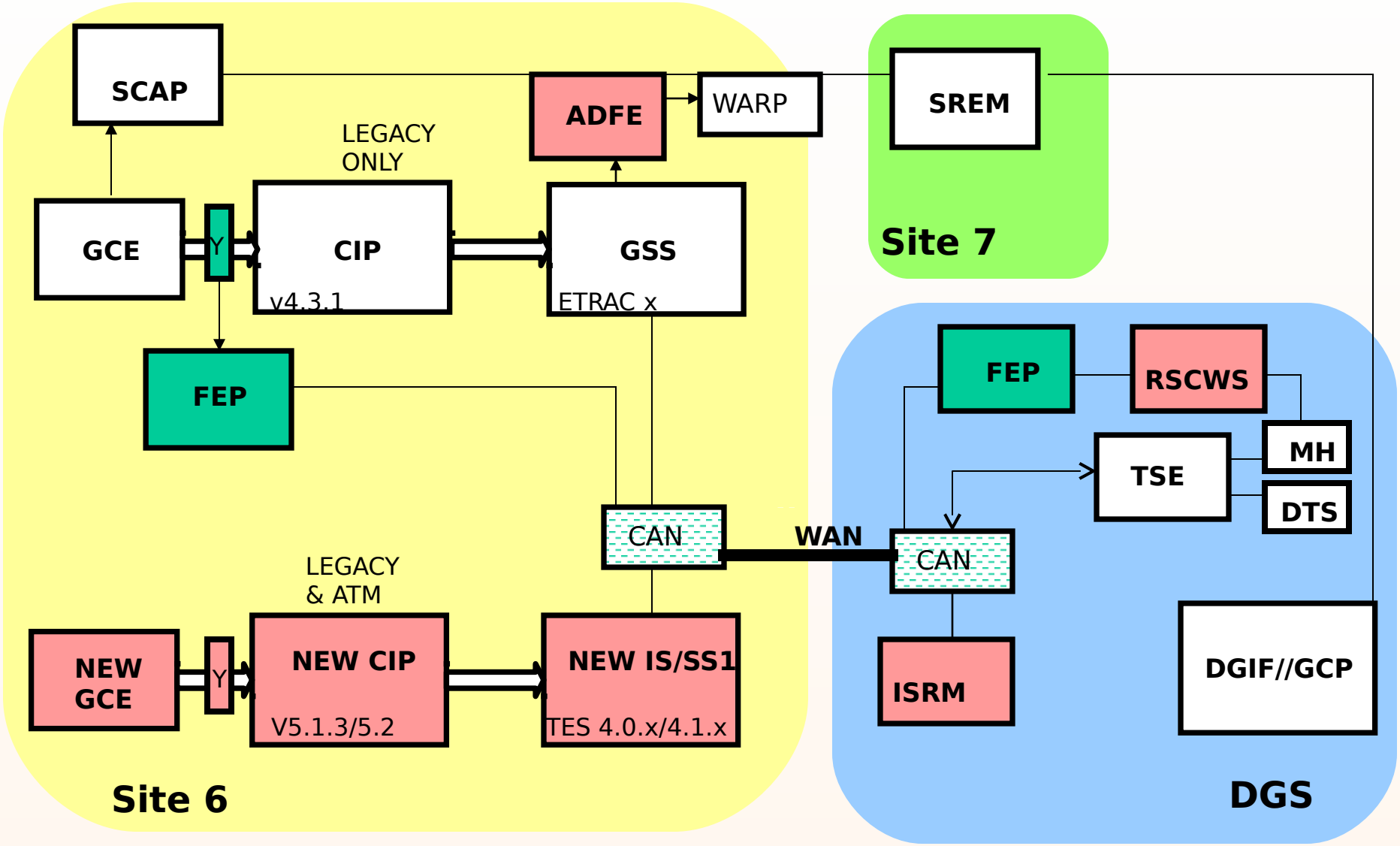
DEDICATED COVERAGE



TOTAL COVERAGE



ETP - Ground


SCAP
ADFE
WARP
SREM
LEGACY
ONLY
GCE
Y
CIP
v4.3.1
GSS
ETRAC x
Site 7
FEP
FEP
RSCWS
TSE
MH
DTS
CAN
WAN
CAN
LEGACY
& ATM
NEW
GCE
Y
NEW CIP
V5.1.3/5.2
NEW IS/SS1
TES 4.0.x/4.1.x
ISRM
DGIF//GCP
Site 6
DGS